INDEX TO VOLUME 1

AUTHOR INDEX

A

ADAMS, P.C. *see* WOODHOUSE, K.W., 443
AHLMÉN, JARL *see* HEATH, ANDREW, 361
—— *see* HEATH, ANDREW, 373
AKERMAN, H.E. The constitution of adhesives, and its relationship to solvent abuse, 223
ANDERSON, H.R., DICK, B., MACNAIR, R.S., PALMER, J.C. & RAMSEY, J.D. An investigation of 140 deaths associated with volatile substance abuse in the United Kingdom (1971–81), 207

B

BACKHOUSE, BRIAN L. *see* CARMICHAEL, NEIL G., 159
BAYER, U. *see* KIRCHNER, G., 387
BLAINEY, A.D., GRAHAM, V.A.L., PHILLIPS, M.J. & DAVIES, R.J. Respiratory tract reactions to western red cedar, 41
BLYTH, ANGELA M. Solvent abuse: summary of a paper presented on behalf of the DHSS, 347
BURRELL, SU *see* SKUSE, DAVID, 321

C

CAMPBELL, W.A. Oxalic acid, Epsom salt and the poison bottle, 187
CARMICHAEL, NEIL G., BACKHOUSE, BRIAN L., WINDER, CHRISTOPHER & LEWIS, PAUL D. Teratogenicity, toxicity and perinatal effects of cadmium, 159
CHAMBERLAIN, A.C. *see* HEARD, M.J., 411
CHAPUT DE SAINTONGE, D.M. *see* HONG, C.Y., 151
CHAUDHURY, R.R. *see* UPPAL, R., 155
CHERRY, NICOLA, McCARTHY, T.B. & WALDRON, H.A. Solvent sniffing in industry, 289
CLARK, D.G. & TINSTON, D.J. Acute inhalation toxicity of some halogenated and non-halogenated hydrocarbons, 239
CLOTHIER, A. *see* WOODHOUSE, K.W., 443
COLLINS, G.B., HOLMES, D.C. & HOODLESS, R.A. Organochlorine pesticide residues in human milk in Great Britain, 1979–80, 425
CROOKS, JAMES *see* PEDEN, NORMAN R., 417

D

DAVIES, R.J. *see* BLAINEY, A.D., 41
DICK, B. *see* ANDERSON, H.R., 207
DIFFEY, B.L. *see* LAWLOR, F., 451

E

EDWARDS, J.N., JENKINS, H.L. & VOLANS, G.N. Hazards of household cleaning products, 403
ELMAZOR, M.M.A., McELHATTON, PATRICIA R. & SULLIVAN, F.M. Acute studies to investigate the mechanism of action of caffeine as a teratogen in mice, 53
EVANS, MARTIN. Solvent misuse: educational implications, 337

F

FAIRBURN, J.W. *see* HONG, C.Y., 151
FAUERSCHOU, PETER. Toxic hepatitis due to benzo-pyrone, 149
FEELY, JOHN. Increased drug effect induced by surgery, 447
FLANAGAN, R.J. *see* FRANCIS, J., 271

—— *see* RAMSEY, J.D., 299
FORBES, G.I. *see* SHERLOCK, J., 115
FRANCIS, J., MURRAY, V.S.G., RUPRAH, M., FLANAGAN, R.J. & RAMSEY, J.D. Suspected solvent abuse in cases referred to the Poisons Unit, Guy's Hospital, July 1980–June 1981, 271
FREESTONE, STEPHEN *see* RAMSEY, LAWRENCE E., 379

G

GAY, MARTYN, MELLER, ROBERT & STANLEY, STEPHEN. Drug abuse monitoring: a survey of solvent abuse in the County of Avon, 257
GOULDING, ROY *see* HELLIWELL, MICHAEL, 25
GRAHAM, V.A.L. *see* BLAINEY, A.D., 41
GREEEN, D. *see* PRIEST, N.D., 97

H

HAINES, J.W. *see* PRIEST, N.D., 97
HEARD, M.J. & CHAMBERLAIN, A.C. Effect of minerals and food on uptake of lead from the gastrointestinal tract in humans, 411
HEATH, ANDREW, MELLSTRAND, TORE & AHLMÉN, JARL. Treatment of podophyllin poisoning with resin hemoperfusion, 373
HEATH, ANDREW, WICKSTRÖM, INGEMAR, MÅRTENSSON, ERIC & AHLMÉN, JARL. Treatment of antidepressant poisoning with resin hemoperfusion, 361
HELLIWELL, MICHAEL, VALE, ALLISTER & GOULDING ROY. Haemoperfusion in 'late' paracetamol poisoning, 25
HENRY, J.A. Can tricyclic antidepressants be removed by haemoperfusion? 359
HINDSON, T.C. *see* LAWLOR, F., 451
HOFSTEE, A.W.M. *see* SANGSTER, B., 123
HOLMES, D.C. *see* COLLINS, G.B., 425
HONG, C.Y., CHAPUT DE SAINTONGE, D.M., TURNER, P. & FAIRBURN, J.W. Comparison of the inhibitory action of delta-9-tetrahydrocannabinol and petroleum spirit extract of herbal cannabis on human sperm motility, 151
HOODLESS, R.A. *see* COLLINS, G.B., 425
HOWELLS, G.R. *see* PRIEST, N.D., 97

I

INNES, SHEILA *see* ROBERTSON, COLIN, 71

J

JENKINS, H.L. *see* EDWARDS, J.N., 403

K

KING, MARY D. Neurological sequelae of toluene abuse, 281
KIRCHNER, G. & BAYER, U. Genotoxic activity of the aminophenols as evidenced by the induction of sister chromatid exchanges, 387
KNIGHT, WILFRED. Solvent abuse – the role of the police, 345
KRANJC, E.I. *see* SANGSTER, B., 393

L

LAWLOR, F., DIFFEY, B.L. & HINDSON, T.C. A note on the diagnosis of drug photosensitivity, 451
LEWIS, PAUL D. *see* CARMICHAEL, NEIL G., 159
LOEBER, J.G. *see* SANGSTER, B., 393

M

McCARTHY, T.B. *see* CHERRY, NICOLA, 289
McELHATTON, PATRICIA R. *see* ELMAZAR, M.M.A., 3
MACNAIR, R.S. *see* ANDERSON, H.R., 207
MÅRTENSSON, ERIC *see* HEATH, ANDREW, 361
MELLOR, ROBERT *see* GAY, MARTYN, 257
MELLSTRAND, TORE *see* HEATH, ANDREW, 373
MOORE, M.R. *see* SHERLOCK, J., 115
MUCKLOW, J.C. *see* WOODHOUSE, K.W., 443
MURRAY, V.S.G. *see* FRANCIS, J., 271
MURRAY, VIRGINIA *see* VOLANS, GLYN, 201

N

NATIONAL POISONS INFORMATION SERVICE MONITORING GROUP. Analgesic poisoning: a multi-centre, prospective survey, 7

O

O'CONNOR, DENIS. The use of suggestion techniques with adolescents in the treatment of glue sniffing and solvent abuse, 313

OLIVER, JOHN S. The analytical diagnosis of solvent abuse, 293

P

PALMER, J.C. *see* ANDERSON, H.R., 207

PATTERSON, W.J. *see* SHERLOCK, J., 115

PEDEN, NORMAN R., PRINGLE, STUART D. & CROOKS, JAMES. The problem of psilocybin mushroom abuse, 417

PHILLIPS, M.J. *see* BLAINEY, A.D., 41

PLOWMAN, P.N. Radiation carcinogenesis – what risk? 93

——The pulmonary macrophages of human smokers: decreased surface F_c receptor concentrations on heavily particle-laden cells, 433

PRIEST, N.D., HOWELLS, G.R., GREEN, D. & HAINES, J.W. Uranium in bone: metabolic and autoradiographic studies in the rat, 97

PRINGLE, STUART D. *see* PEDEN, NORMAN R., 417

R

RAMSAY, ALISTAIR W. Solvent abuse: an educational perspective, 265

RAMSEY, J.D. *see* ANDERSON, H.R., 207

—— *see* FRANCIS, J., 271

RAMSEY, J.D. & FLANAGAN, R.J. The role of the laboratory in the investigation of solvent abuse, 299

RAMSEY, LAWRENCE, E., FREESTONE, STEPHEN & SILAS, JOSEPH H. Drug-related acute medical admissions, 379

RAUWS, A.G. *see* SANGSTER, B., 393

RAWLINS, M.D. *see* WOODHOUSE, K.W., 443

REDDY, M.K., LALWANI, N.D., QURESHI, S.A. & REDDY, J.K. Induction of hamster hepatic peroxisomol β-oxidation and peroxisome proliferation associated 800000mol.wt. polypeptide by hypolipidemic drugs, 135

RICHARDS, W.N. *see* SHERLOCK, J., 115

ROBERTS, D.J. Abuse of aerosol products by inhalation, 231

ROBERTSON, COLIN, INNES, SHEILA & PATON, JAMES. Renal failure complicating feprazone treatment, 71

RUPRAH, M. *see* FRANCIS, J., 271

S

SANGSTER, B., KRAJNC, E.I., LOEBER, J.G., RAUWS, A.G. & VAN LOGTEN, M.J. Study of sodium bromide in human volunteers, with special emphasis on the endocrine system, 393

SANGSTER, B., WEGMAN, R.C.C. & HOFSTEE, A.W.M. Non-occupational exposure to pentachlorophenol: clinical findings and plasma-PCP-concentrations in three families, 123

SHARMA, P.R. *see* UPPAL, R., 155

SHERLOCK, J., SMART, G., FORBES, G.I., MOORE, M.R., PATTERSON, W.J., RICHARDS, W.N. & WILSON, T.S. Assessment of lead intakes and dose-response for a population in Ayr exposed to a plumbosolvent water supply, 115

SILAS, JOSEPH H. *see* RAMSEY, LAWRENCE E., 379

SINCLAIR, A.J. & WARRINGTON, S.J. Severe renal failure in hydralazine-induced lupus, 65

SKUSE, DAVID & BURRELL, SU. A review of solvent abusers and their management by a child psychiatric out-patient service, 321

SMART, G. *see* SHERLOCK, J., 115

STANLEY, STEPHEN *see* GAY, MARTYN, 257

STEVENS, KINGSLEY M. Agent orange toxicity: a quantitative perspective, 31

SULLIVAN, F.M. *see* ELMAZAR, M.M.A., 53

T

TINSTON, D.J. *see* CLARK, D.G., 239
TURNER, P. *see* HONG, C.Y., 151

U

UPPAL, R., SHARMA, P.R. & CHAUDHURY, R.R. Effect of pesticide exposure on human microsomal enzyme induction, 155

V

VALE, ALLISTER *see* HELLIWELL, MICHAEL, 25
VAN LOGTEN, M.J. *see* SANGSTER, B., 393
VOLANS, GLYN. Chairman's introduction – abuse of volatile products by inhalation, 205
—— *see* EDWARDS, J.N., 403
VOLANS, GLYN, MURRAY, VIRGINIA & WATSON, JOYCE. Solvent abuse – current findings and research needs, 201

W

WALDRON, H.A. *see* CHERRY, NICOLA, 289
WARRINGTON, S.J. *see* SINCLAIR, A.J., 65
WATSON, JOYCE M. Solvent abuse: presentation and clinical diagnosis, 249
—— *see* VOLANS, GLYN, 201
WEGMAN, R.C.C. *see* SANGSTER, B., 123
WICKSTRÖM, INGEMAR *see* HEATH, ANDREW, 361
WILSON, T.S. *see* SHERLOCK, J., 115
WINDER, CHRISTOPHER *see* CARMICHAEL, NEIL G., 159
WOODCOCK, JASPER. Solvent abuse from a health education perspective, 331
WOODHOUSE, K.W., ADAMS, P.C., CLOTHIER, A., MUCKLOW, K.C. & RAWLINS, M.D. *N*-Acetylation phenotype in bladder cancer, 443

SUBJECT INDEX

A

Accidental poisoning, 19th century, 187
Acetoaminophen *see* **Paracetamol**
Acetone, use of a solvent for adhesives, 223
Acetylator phenotypes, relationship with bladder cancer in humans, 443
Adhesive solvents, involvement in deaths associated with volatile substance abuse, 207
—, abuse, in clinically diagnosed cases at Guy's Hospital, 271
Adhesives, constitution in relation to solvent abuse, 223
Adrenocortical secretion, effect of caffeine in mice, 53
Adverse drug reactions, admissions to hospital, 379
—, diagnosis of photosensitivity, 451
Aerosols, abuse by inhalation, 231
—, involvement in deaths associated with volatile substance abuse, 207
—, mortality statistics, 231
Age, in relation to death associated with volatile substance abuse, 207
—, in relation to drug-related medical admissions, 379
—, in relation to volatile substance abuse in County of Avon, 257
—, in relation to volatile substance abuse in Glasgow comprehensive, 265
Agent orange, toxicity, 31
Airway response, to challenge with wood dust, 41
Alcohol, use by children, 321
Alkaline diuresis, treatment for salycilate poisoning, 7
Aminophenols, induction of sister chromatid exchanges in human lymphocytes and hamster bone marrow cells, 387
Amniotic fluid volume, effect of caffeine in mice, 53
Anaemia, effect of chronic cadmium exposure in humans, 159
Analgesics, a survey of poisoning, 7
Anterior rhinometry, measurement of nasal response to tests with wood dust, 41
Antidepressants, treatment of poisoning by haemoperfusion, 359
—, treatment of poisoning by resin haemoperfusion, 361
Antipyrine, effect of malathion on half-life in humans, 155
Aqueous adhesives, lack of popularity,
Aspiration, decline in use for treatment of misuse of household cleaning products, 403
Aspirin, a survey of poisoning, 7
Asthma, reaction to western red cedar, 41
Ataxia, effect of toluene abuse, 281
—, volatile substance abusers, 271
Autoradiographic techniques, study of uranium in bone in female rat, 97
Aversive additives, to volatile substances, 223

B

Barbiturates, use for self poisoning, 379
Behavioural disturbances, volatile substance abusers, 271
Benzodiazepines, detection in specimens of patients suspected of volatile substance abuse, 271
Benzo-pyrone, induction of toxic hepatitis, in treatment of lymphoedema, 149
Birth defects, effects of tetrachlorodibenzo-p-dioxin in Vietnam veterans, 31
Birth weight, effect of maternal exposure to cadmium, 159
Bladder cancer, *N*-acetylation phenotype, 443
Blood, concentrations of lead in population exposed to a plumbosolvent water supply, 115
—, identification of volatile substances by headspace gas chromatography, 299
Blood flow, utero-placental, effect of caffeine in mice, 53
Bone accretion, effect on deposits of uranium in female rat, 97

Bone marrow cells, hamster, induction of sister chromatid exchanges by aminophenols, 387
Bradycardia, induction postoperatively in thyrotoxic patient receiving propranolol and digoxin, 447
Brain development, effect of maternal exposure to cadmium, 159
British Aerosol Manufacturers Association, consultations with Government Departments regarding abuse, 231
Bromide, study of effects in human volunteers with special emphasis on endocrine system, 393
Bromochlorodifluoromethane, abuse in clinically diagnosed cases at Guy's Hospital, 271
—, involvement in deaths associated with volatile substance abuse, 207
—, toxic effects on central nervous system and heart of experimental animals, 239
Bronchial provocation tests, with histamine or aqueous extracts of western red cedar wood dust, 41
Bronchospasm, volatile substance abuse, 321
Burns, related to volatile substance abuse, 249
Butane, involvement in deaths associated with volatile substance abuse, 207
—, use as an aerosol propellant, 231

C

Cadmium, tetrogenicity, toxicity and perinatal effects, 159
Caffeine, mechanism of teratogenic action in mice, 53
Calcium, effect of deficiency on absorbtion and retention of cadmium, 159
—, effect on the uptake of lead from gastrointestinal tract in humans, 411
Cancer, bladder, *N*-acetylation phenotype, 443
—, risk of induction by radiation, 93
Cannabis, petroleum spirit extract, effect on human sperm motility, 151
Carbon tetrachloride, involvement in deaths associated with volatile substance abuse, 207
—, toxic effects on central nervous system and heart of experimental animals, 239
Cardiac arrest, related to volatile substance abuse, 249
Cardiac arrhythmias, volatile substance abuse, 321
Cardiovascular system, effect of chronic cadmium exposure in humans, 159
Cartilage, uranium deposits in female rat, 97
Carnitine astyl transferase, effect of hypolipedemic drugs in hamster liver, 135
Catalase, effect of hypolipidemic drug in hamster liver, 135
Central nervous system, effect of toluene abuse, 281
—, rat, effect of acute inhalation of halogenated and non-halogenated hydrocarbons, 239
Charcoal haemoperfusion, following paracetamol overdose, 25
Chest pain, volatile substance abusers, 271
Chloracne, caused by tetrachloro-dibenzo-p-dioxin in humans, 31
Chlorinated hydrocarbon solvents, abuse in clinically diagnosed cases at Guy's Hospital, 271
—, use for adhesives, 223
Chloroform, involvement in deaths associated with volatile substance abuse, 207
—, toxic effects on central nervous system and heart of experimental animals, 239
Cigarettes, cadmium levels, 159
—, consumption by children, 321
—, effect of smoking on human pulmonary macrophages, 433
Cleft palate, effect of maternal exposure to cadmium, 159
—, production in mouse fetus by caffeine, 53
Clofibrate, effect on plasma triglyceride levels, hepatic peroxisome proliferation and peroxisome associated enzymes in hamsters, 135
'Collapse', volatile substance abusers, 271
Community response, volatile substance abuse, 347
Convulsions, volatile substance abusers, 271
Copper, effect on cadmium metabolism in humans, 159
Correcting fluids, abuse in clinically diagnosed cases at Guy's Hospital, 271
Corticosterone, effect of caffeine on plasma levels in mice, 53
Cortisol, effects of bromide in humans, 393
County of Avon, survey of volatile substance abuse, 257

D

Death rates, aerosol abuse, 231
—, volatile substance abuse, 207

Deliberate overdoses, analgesics, 7
Depersonalization, after ingestion of psilocybin mushrooms, 417
Dextropropoxyphene, use for self poisoning, 379
Dichlorofluoromethane, use as an aerosol propellant, 231
Dibromotetrafluoroethane, toxic effects on central nervous system and heart of experimental animals, 239
Dietary intake, of lead for population exposed to a plumbosolvent water supply, 115
Difluorochloromethane, toxic effects on central nervous system and heart of experimental animals, 239
Difluorodichloromethane, toxic effects on central nervous system and heart of experimental animals, 239
Diflourotetrachloroethane, toxic effects on central nervous system and heart of experimental animals, 239
Digoxin, postoperative rise in serum steady state concentrations in humans, 447
Disphoria, after ingestion of psilocybin mushrooms, 417
Distalgesic poisoning, 7
Domestic substances, suitability for abuse, 223
Drowsiness, volatile substance abusers, 271
Drug abuse, monitoring of volatile substance abuse in the County of Avon, 257
Drug photosensitivity, diagnosis, 451
Drug-related acute medical admissions, a survey, 379
Drug treatment, non-compliance, admissions to hospital, 379
Drugs, effect of surgery and anaesthesia on handling, 447

E

Education, role in prevention of volatile substance abuse, 265, 331, 337
Emesis, effect of induction on effects on psilocybin mushrooms, 417
Endocrine system, human, effect of bromide, 393
Encephalopathy, after toluene abuse, 281
Enzymes, peroxisome associated, effect of hypolipidemic drugs in hamsters, 135
Epsom salt, confusion with oxalic acid, 187
Erythema, after non-occupational exposure to pentachlorophenol, 123
Esters, use as solvents for adhesives, 223
Estradiol, effects of bromide in humans, 393
Ethanol, detection in specimens of patients suspected of volatile substance abuse, 271
Ethics, in relation to education about volatile substance abuse, 331
Ethyl acetate, use as solvent for adhesives, 223

F

F_c receptors, effect of smoking in human pulmonary macrophages, 433
Fenofibrate, effect on plasma triglyceride levels, hepatic peroxisome proliferation and peroxisome associated enzymes in hamsters, 135
Feprazone, induction of renal failure, 71
Fetus, effect of cadmium in humans, 159
Fire extinguishing agents, abuse in clinically diagnosed cases at Guy's Hospital, 271
—, involvement in deaths associated with volatile substance abuse, 207
Follicle stimulating hormone, effects of bromide on human serum concentrations, 393
Food, effect on the uptake of lead from gastrointestinal tract in humans, 411
Fractures, related to volatile substance abuse, 249
Fuel gases, abuse in clinically diagnosed cases at Guy's Hospital, 271

G

Gas chromatography, use in investigation of volatile substance abuse, 299
Gas liquid chromatography, analytical diagnosis of volatile substance abuse, 293
Gastric lavage, decline in use for treatment of misuse of household cleaning products, 403
—, treatment for analgesic poisoning, 7
Gastrointestinal tract, human, effect of minerals and food on uptake of lead from, 411
Genotoxic activity, aminophenols, 387
Glue sniffing *see* **Volatile substance abuse**

H

Haemoptysis, related to volatile substance abuse, 249
Haemoperfusion, following paracetamol overdose, 25
—, treatment for podophyllin poisoning, 373

—, treatment for tricyclic antidepressant poisoning, 359, 361
Hair dyes, induction of sister chromatid exchanges in human lymphocytes and hamster bone marrow cells, 387
Halogenated hydrocarbons, effects on central nervous system and hearts of experimental animals, 239
Halons, involvement in deaths associated with volatile substance abuse, 207
Headspace gas chromatography, identification of volatile substances in blood, 299
Heart, dog, effects of acute inhalation of halogenated and non-halogenated hydrocarbons, 239
Hemoperfusion *see* **Haemoperfusion**
Hepatic peroxisome proliferation, effects of hypolipidemic drugs in hamsters, 135
Hepatitis, induction by benzo-pyrone used to treat lymphoedema, 149
High performance liquid chromatography, identification of volatile substances in urine, 299
Household cleaning products, survey of misuse, 403
Hydralazine, induction of renal failure, 65
Hydrocarbons, involvement in deaths associated with volatile substance abuse, 207
—, use as solvents for adhesives, 223
Hypercarbia, additional hazzard in volatile substance, 249
Hyperreflexia, after ingestion of psilocybin mushrooms, 417
Hypertension, after ingestion of psilocybin mushrooms, 417
—, treatment with hydralazine, 65
Hypnotherapy, use with adolescent volatile substance abusers, 313
Hypolipidemic drugs, effect on plasma triglyceride levels, hepatic peroxisome proliferation, and peroxisome associated enzymes in hamsters, 135
Hypoxia, additional hazzard in volatile substance abuse, 249

I

Immune-complex-mediated glomerulonephritis, hydralazine induced, 65
Industrial accidents, resulting from exposure to solvents, 289
Industry, volatile substance abuse, 289
Infra-red spectrophotometry, analysis of products in volatile substance abuse, 299
Inter-professional conflicts, drug abuse monitoring, 257
International Commission of Radiological Protection (ICRP), 93
Intoxication, pentachlorophenol-induced, 123
Ipecacuanha, treatment for analgesic poisoning, 7
Iron, effect on cadmium metabolism in humans, 159
Isobutane, toxic effects on central nervous system and heart of experimental animals, 239
***Iso*propyl acetate,** use as a solvent for adhesives, 223
Itai Itai byo, involvement of cadmium, 159

K

Ketones, use as solvents for adhesives, 223
Kidney, effect of chronic cadmium exposure in humans, 159
—, experimental cadmium toxicity, 159
—, failure induced by feprazone, 71
—, hydralazine-induced damage, 65

L

Lead, assessment of intake and dose-response for a population exposed to a plumbosolvent water supply, 115
—, effect of minerals and food on uptake from gastrointestinal tract in humans, 411
Limb defects, effect of maternal exposure to cadmium, 159
Liver, experimental cadmium toxicity, 159
—, peroxisome-associated enzymes, effect of hypolipidemic drugs, 135
Liver damage, effect of charcoal haemoperfusion after paracetamol overdose, 25
Lung, effects of chronic cadmium exposure in humans, 159
Lupus, hydralazine-induced, cause of renal failure, 65
Lutenizing hormone, effect of bromide in human serum concentrations, 393
Lymphocytes, human, induction of sister chromatid exchanges by aminophenols, 387
Lymphoedema, treatment by benzo-pyrone, development of toxic hepatitis, 149

M

Malathion, effect of exposure on human microsomal enzyme induction, 155
Maprotiline poisoning, treatment with resin hemoperfusion, 361
Men, analgesic poisoning, 7
Metallothionein, cadmium metabolism in humans, 159
Methionine, treatment for paracetamol poisoning, 7
Methrazone *see* **Feprazone**
Methyl chloride, use as solvent for adhesives, 223
Methyl clofenapate, effect on plasma triglyceride levels, hepatic peroxisome proliferation and peroxisome associated enzymes in hamsters, 135
Methyl ethyl ketone, use as solvent for adhesives, 223
Methylene chloride, toxic effects on central nervous system and heart of experimental animals, 239
Microsmal enzymes, effect of malathion on induction in humans, 155
Milk, human, concentrations of organochlorine pesticide residues, 425
Minerals, effect on the uptake of lead from gastrointestinal tract in humans, 411
Mydriasis, after ingestion of psilocybin mushrooms, 417

N

Narcotic analgesics, a survey of poisoning, 7
Nasal response, to challenge with wood dusts, 41
National Poisons Information Service, 7, 205, 403
Nausea, after ingestion of psilocybin mushrooms, 417
—, volatile substance abusers, 271, 321
Nervous system, experimental cadmium toxicity, 159
Neurological deficit, prevention of development in cases of podophyllin poisoning treated with resin hemoperfusion, 373
Non-halogenated hydrocarbons, effects on central nervous system and hearts of experimental animals, 239
Non-volatile adhesives, 223

O

Organochlorine pesticides, concentrations in human milk, 425
Ovaries, experimental cadmium toxicity, 159
Oxalic acid, accidental poisoning in 19th century, 187

P

Paracetamol, a survey of poisoning, 7
—, treatment of overdose by charcoal haemoperfusion, 25
—, use for self poisoning, 379
Paraesthesia, after ingestion of psilocybin mushrooms, 417
Pentachlorophenol, non-occupational exposure, clinical findings and plasma concentrations, 123
Perception distortion, after ingestion of psilocybin mushrooms, 417
Perchloroethylene, involvement in industrial accidents, 289
Perinatal toxicity, effects of cadmium, 159
Peroxisomal fatty acid β-oxidation system, effect of hypolipidemic drugs in hamsters, 135
Pesticides, effect of exposure on human microsomal enzyme induction, 155
Petrol, abuse in clinically diagnosed cases at Guy's Hospital, 271
Phosphate, effect on uptake of lead from gastrointestinal tract of humans, 411
Photosensitivity, to drugs, diagnosis, 451
Placenta, cadmium content, 159
Placental transfer function, effect of caffeine in mice, 53
Plasma, concentration of pentachlorophenol after non-occupational exposure, 123
—, effect of caffeine on corticosterone levels in mice, 53
—, effect of hypolipidemic drugs on triglyceride levels in hamsters, 135
Plumbosolvent water supply, effect on dietary lead intake and blood lead concentrations, 115
Podophyllin, treatment of poisoning with resin hemoperfusion, 373
Poison bottles, introduction in 19th century, 187
Poisoning, agents used, 205
Police, role in volatile substance abuse, 345
Polychlorobiphenyl compounds, concentrations in human milk, 425

Post natal development, effect of exposure to cadmium, 159
Progesterone, effects of bromide in humans, 393
Prolactin, effects of bromide in human serum concentrations, 393
Propane, toxic effects on central nervous system and heart of experimental animals, 239
Propranolol, postoperative rise in plasma levels, 447
Psilocybin mushroom, abuse, 417
Psychosis, toxic, in volatile substance abuse, 321
Psychotherapy, use with adolescent volatile substance abusers, 313
Pulmonary macrophages, human, effect of smoking, 433
Pyrinixil, effect on plasma triglyceride levels, hepatic peroxisome proliferation and peroxisome associated enzymes in hamsters, 135

R

Radiation, upper dose limits for workers, 93
Radiation carcinogenesis, risks, 93
Rash, feprazone-induced, 71
Recidivists, analgesic poisoning, 7
Renal failure, development owing to hydralazine-induced lupus, 65
—, induced by feprazone, 71
Renal impairment, volatile substance abusers, 271
Resin haemoperfusion, treatment for podophyllin poisoning, 373
—, treatment for tricyclic antidepressant poisoning, 361
Rhinitis, reaction to western red cedar, 41

S

Sales restrictions, impractical approach to volatile substance abuse, 347
Saturated vapour pressure, inverse relationship with toxicity of volatile substances, 239
Selenium, effect on cadmium metabolism in humans, 159
Self poisoning, admissions to hospital, 379
Skeletal system, effect of chronic cadmium exposure in humans, 159
—, rat, distribution and retention of uranium, 97
—, dryness and scaling, after non-occupational exposure to pentachlorophenol, 123
Smoking *see* **Cigarettes**
Social class, in relation to death associated with volatile substance abuse, 207
Solvent abuse *see* **Volatile substance abuse**
Solvent products, impractibility of reformulation, 347
Solvents, in adhesives, abuse, 223
—, involvement in deaths associated with volatile substance abuse, 207
Sperm, effect of Δ^9-tetrahydrocannabinol and petroleum spirit extract of herbal cannabis on motility in humans, 151
Suggestion techniques, use with adolescent volatile substance abusers, 313
Surgery, effect on drug disposition and disease processes, 447
Symptoms, psilocybin mushroom abuse, 417
—, volatile substance abuse, 321
Systemic illness, effects of tetrachlorodibenzo-p-dioxin in Vietnam veterans, 31

T

Tachycardia, after ingestion of psilocybin mushrooms, 417
Teratogenicity, of cadmium, 159
—, of caffeine in mice, 53
Testes, experimental cadmium toxicity, 159
Testosterone, effects of bromide in humans, 393
Tetrachloro-dibenzo-*p*-dioxin, evaluation of toxic effects in Agent Orange on Vietnam veterans, 31
Δ^9-Tetrahydrocannabinol, effect on human sperm motility, 151
Thyroid stimulating hormone, effects of bromide in human serum concentrations, 393
Thyroxine, effects of bromide in humans, 393
Toluene, detection in specimens of patients suspected of volatile substance abuse, 271
—, correlation of clinical features with blood concentrations, 293
—, involvement in deaths associated with volatile substance abuse, 207
—, neurological sequelae, 281
—, use as solvent for adhesives, 223
Toxicity, of cadmium, mechanisms, 159
—, of inhaled halogenated and non-

halogenated hydrocarbons, 239
Treatment, volatile substance abuse, 321
1,1,1-Trichloroethane, detection in specimens of patients suspected of volatile substance abuse, 271
—, involvement in deaths associated with volatile substance abuse, 207
—, involvement in industrial accidents, 289
—, toxic effects on central nervous system and heart of experimental animals, 239
—, use as solvent for adhesives, 223
Trichloroethanol, detection in specimens of patients suspected of volatile substance abuse, 271
Trichloroethylene, detection in specimens of patients suspected of volatile substance abuse, 271
—, involvement in deaths associated with volatile substance abuse, 207
—, involvement in industrial accidents, 289
—, toxic effects on central nervous system and heart of experimental animals, 239
Trichlorofluoromethane, toxic effects on central nervous system and heart of experimental animals, 239
—, use as an aerosol propellant, 231
Tricyclic antidepressants *see* **Antidepressants**
Trifluorobromomethane, toxic effects on central nervous system and heart of experimental animals, 239
Trifluorochloromethane, toxic effects on central nervous system and heart of experimental animals, 239
Triflourotrichloroethane, toxic effects on central nervous system and heart of experimental animals, 239
Triglyceride, effect of hypolipidemic drugs on plasma levels in hamsters, 135
Triiodothyronine, effects of bromide in humans, 393

U

Unconsciousness, related to volatile substance abuse, 249, 271
Uranium, distribution and retention in skeleton of female rat, 97
Urine, identification of volatile substances by high performance liquid chromatography, 299
—, concentrations of pentachlorophenol after non-occupation exposure, 123
Utero-placental blood flow, effect of caffeine in mice, 53

V

Vietnam veterans, evaluation of Agent Orange toxicity, 31
Vinyl chloride, toxic effects on central nervous system and heart of experimental animals, 239
Vitamin D deficiency, effect on absorbtion and retention of cadmium in humans, 159
Volatile substance abuse, clinical effects, 249
—, clinical presentation, 201
—, clinical presentation and diagnosis, 249
—, current findings and research needs, 201
—, death rates, USA, 331
—, development of health education and preventative strategies, 201, 331
—, extent, 201
—, extent and frequency in Glasgow comprehensive, 265
—, frequency, 321
—, gas liquid chromatographic analysis of specimens to aid diagnosis, 293
—, in industry, 289
—, investigation of deaths (1971–81), 207
—, laboratory diagnosis, 201
—, management of acute poisoning, 201
—, mechanisms of death, 207
—, methods used, 249
—, need for information exchange, 347
—, need for more systematic recording of cases, 321, 331
—, prevention, 201
—, role of laboratory in investigation, 299
—, role of police, 345
—, strategies for preventive education, 265, 331, 337
—, study of cases referred to Poisons Unit, Guy's Hospital, July 1980–June 1981, 271
—, summary of DHSS views, 347
—, survey in County of Avon, 257
Volatile substance abusers, management by a child psychiatric out-patient service, 321
—, prediction of vulnerable groups, 257, 265
—, use of psychotherapy techniques, 313
Volatile substances, aversive additives, 223
—, method of acquisition for abuse, 265
—, toxicity, inverse relationship with saturated vapour pressure, 239
Vomiting, after ingestion of psilocybin mushrooms, 417
—, volatile substance abusers, 271, 321

W

Warnings, on packages of volatile substances, counterproductive approach to volatile substance abuse, 347
Water supply, levels of lead in area with plumbosolvent water supply, 115
Weight loss, volatile substance abuse, 321
Western red cedar, respiratory tract reactions, 41
Women, analgesic poisoning, 7

Z

Zinc, effect on cadmium metabolism in humans, 159